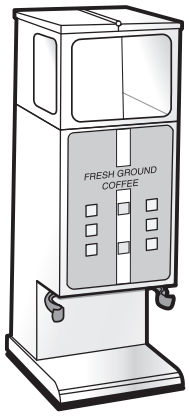
WILBUR CURTIS COMPANY, INC.

Service Manual – Digital Interlock Grinders



Models Included
ILGD

CAUTION: Please use this setup procedure before attempting to use this grinder. Failure to follow the instructions can result in injury or the voiding of the warranty.

WARNING TO AVOID SCALDING, Remove the brew cone carefully. The brew cone contains hot coffee grounds. Wait until the brewer indicates that the brew is finished before removing.

ISO 9001:2008 REGISTERED

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For the latest information go to
www.wilburcurtis.com
Tel: 800-421-6150
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Important Safeguards & Symbols

This appliance is designed for commercial use. Any servicing other than cleaning and maintenance should be performed by an authorized Wilbur Curtis service technician.

- Do NOT immerse the unit in water or any other liquid
- To reduce the risk of fire or electric shock, do NOT open top panel. No user serviceable parts inside.
- Keep hands and other items away from hot parts of unit during operation.
- Never clean with scouring powders or harsh chemicals.

SYMBOLS

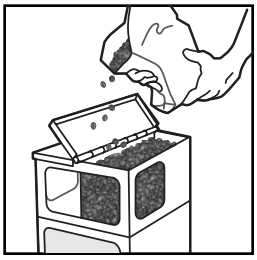
WARNINGS – To help avoid personal injury

Important Notes/Cautions – from the factory

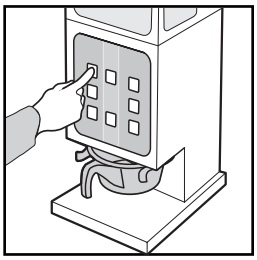
SETUP STEPS

1. Install the grinder on a firm, level base in a location where it can be connected to a grounded electrical outlet of 120VAC, rated at 15 amps minimum.
2. Test the unit by running some whole bean coffee through the grinder. If any problems are encountered, refer to the troubleshooting section complete at www.wilburcurtis.com or call Technical Support at 800-995-0417.
3. Interlock Connection: If hooking up the brewer and grinder for the Interlock option, locate the jack on back of the brewer marked CLASS 2 WIRING. Plug in the Interlock cable from the grinder into this jack on the brewer.

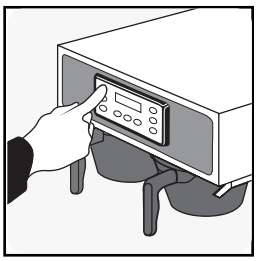
OPERATING INSTRUCTIONS



1. Lift open the top cover of the grinder and fill with fresh whole bean coffee. Close the cover.
2. Position an empty coffee container onto the brew deck.
3. Place a new paper filter into the brew cone.
4. Insert the brew cone into the basket holder arms on the grinder.

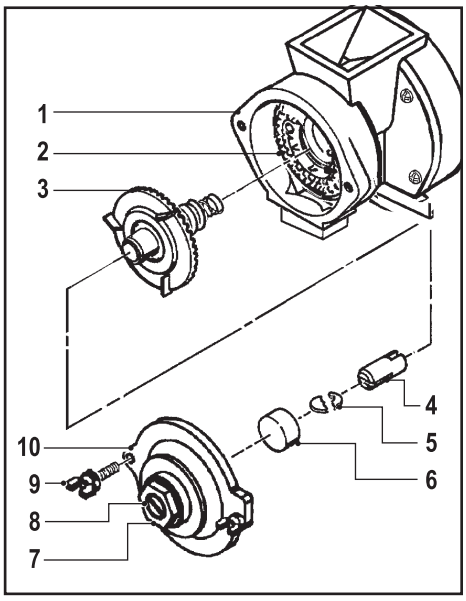


5. On the grinder control panel, press the desired grind size/brew volume button; **SMALL**, **MEDIUM** or **LARGE**.
6. Make sure the motor comes to a stop before removing the brew cone.
7. For Interlock brewers: The brew selection is “Locked” into the brewer, indicated by a flashing LED next to the corresponding brew button.



8. Transfer the filled brew cone to the brewer and press the desired brew button. The brew cycle is complete when the brew light stops flashing.

ADJUSTING THE GRINDING BURRS



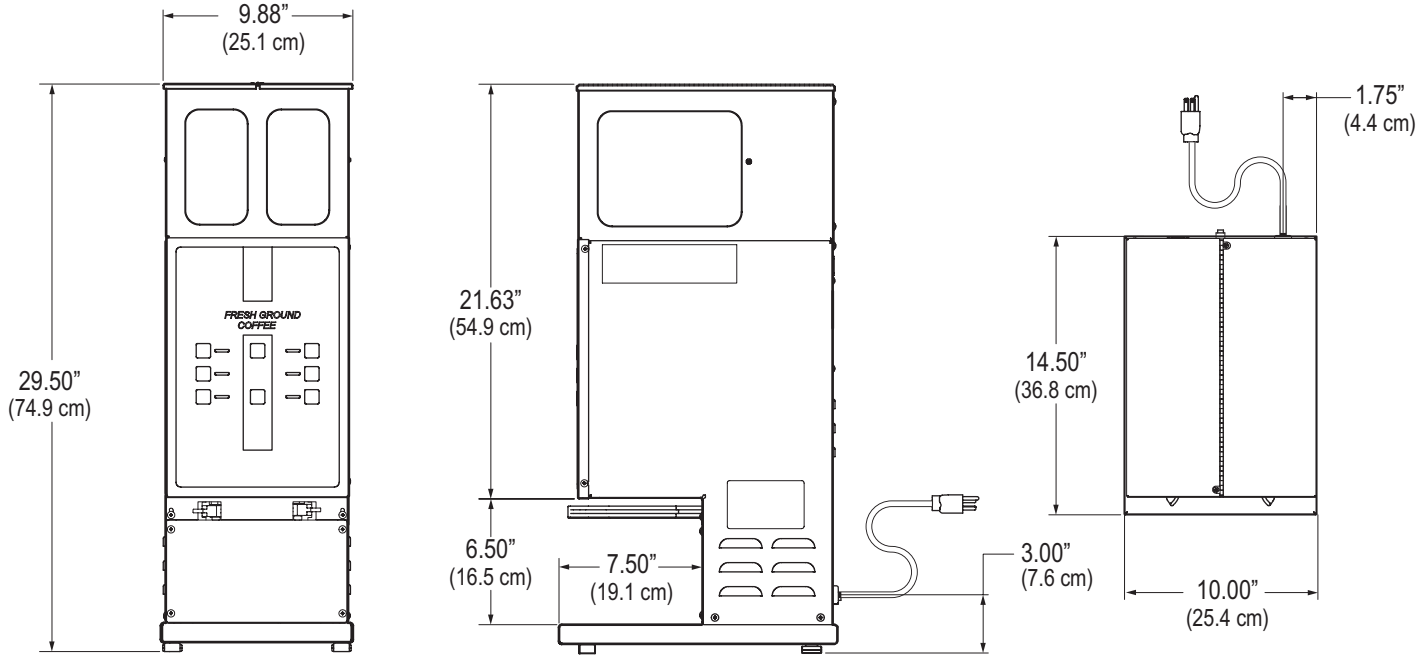
1. Empty the hopper of coffee beans. Run the grinder for a short time to clear grinding burrs of coffee.
2. Open the housing cover (10) to locate the adjustment screw (8) and lock nut (7). With a wrench, loosen the lock nut.
3. Turn the adjustment screw clockwise for a finer grind. Turn the screw counter clockwise for a more coarse grind. With the motor running, pour coffee beans into the hopper and turn the screw to make the adjustment. If you hear the grinding burrs starting to touch, immediately, back off 1/8th turn.
4. When the desired grind texture is satisfactory, hold the adjustment screw in place with the screwdriver and tighten the locknut.
5. Grind some coffee beans to confirm the adjustment.
6. Replace front cover on machine.

*This adjustment may change the amount of ground coffee dispensed.

CHANGING A BROKEN SHEAR DISK

1. Unplug the power cord.
2. Empty the hopper of beans.
3. Take out the thumb screws (9) to remove the housing cover (10).
4. Pull out the grinding burr/feed worm assembly (3). The mating alf of the grinding burr set remains within the housing.
5. Separate the shear cap (6) and shear drive (4). The snapped shear disk (5) should fall from the shear drive.
6. Inspect and brush out the housing (1).. Especially look for anything that could have broken the shear disk.
7. Insert the feed worm and grinding burr onto the motor shaft.
8. Push the shear drive through the burr/feed worm assembly and align it with the tongue on the motor shaft.
9. Rotate the burr/feed worm assembly to align the slot with narrow slot on shear drive.
10. Insert a new shear disk into the slot. Cover with the shear cap.
11. Replace the grind cap and two thumb screws.

ROUGH-IN DRAWING



PROGRAMMING THE ILGD GRINDER

Your grinder has been adjusted at the time of manufacture to provide satisfactory performance in most situations. In the event that you would like to vary the settings the grinder can be reprogrammed. Both grinders are programmed identically.

1. Place a paper filter beneath the grinder spout to catch coffee as it is ground.
2. Turn off the unit at the front panel, ON/OFF button.
3. Press and hold one of the grind buttons.
4. Press and release the ON/OFF button. Continue holding the grind button.
5. In the red window, the grind time on the button pressed will appear. Continue to hold and the time digits will start at 00 and increase. Release the button to set the new time. The table (left)can be used as a guide to estimate the amount of ground coffee you dispense with the chosen setting.
6. Wait for the motor to completely stop (10 seconds). To set and exit, press and release any other grind button.
7. Repeat the above steps to reset any other grind button.

Seconds	Ounces	Seconds	Ounces
4	1.3	15	4.5
5	1.5	20	6.2
6	1.8	25	7.6
7	2.0	30	8.8
8	2.5	35	10.0
10	3.0	40	11.8
12	3.7	45	13.5

IMPORTANT

Time settings in this table are only approximate. Amounts will vary with grind texture and specific coffee bean. Weigh your output, then make adjustments as necessary.

TROUBLE- SHOOTING GUIDE

IMPORTANT

This appliance is designed for commercial use. Any servicing other than cleaning and maintenance should be performed by an authorized Wilbur Curtis service center.

SYMPTOM: MOTOR DOES NOT RUN

POSSIBLE CAUSE	SOLUTION
1. Circuit breaker may be tripped.	Grinder has a circuit breaker behind machine. Push in reset button. You should hear a “click”.
2. Electrical cord may not be making contact.	Push plug into outlet.
3. Electrical outlet may not have power.	With voltmeter, determine if there is power at outlet.

SYMPTOM: MOTOR RUNS BUT NO COFFEE COMES OUT

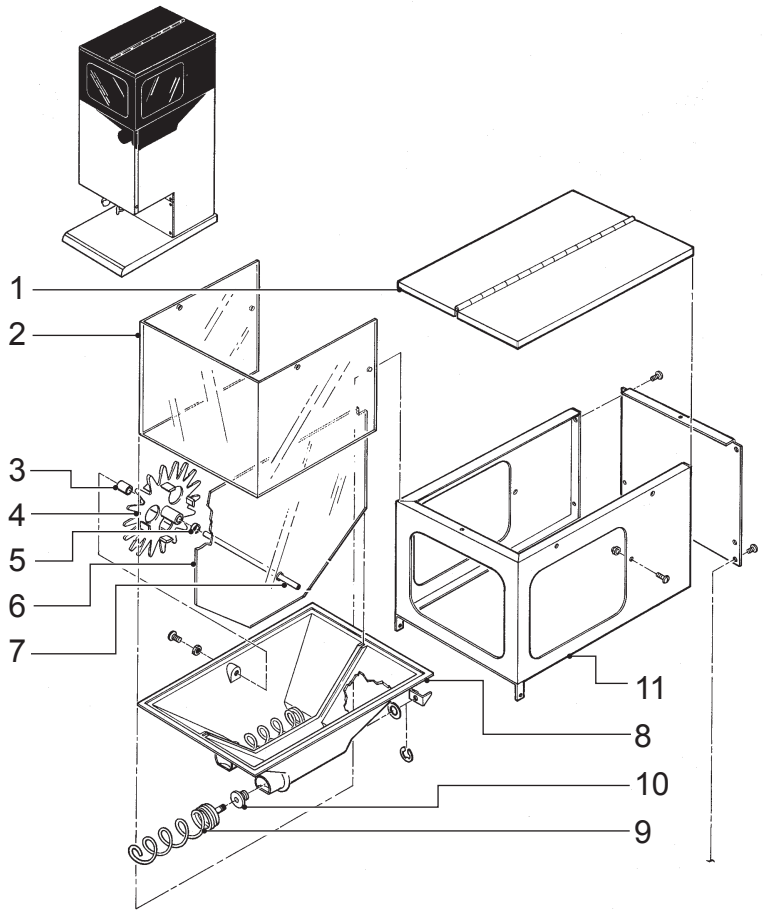
POSSIBLE CAUSE	SOLUTION
4. Shear disk may have broken.	Change the shear disk (see page 2 for directions).
5. Funnel to grind housing may be jammed.	Cut off power to machine. Empty the hopper of beans. Clean where the hopper funnels into the grind housing.

SYMPTOM: GROUND COFFEE TEXTURE TOO COARSE OR POOR QUALITY

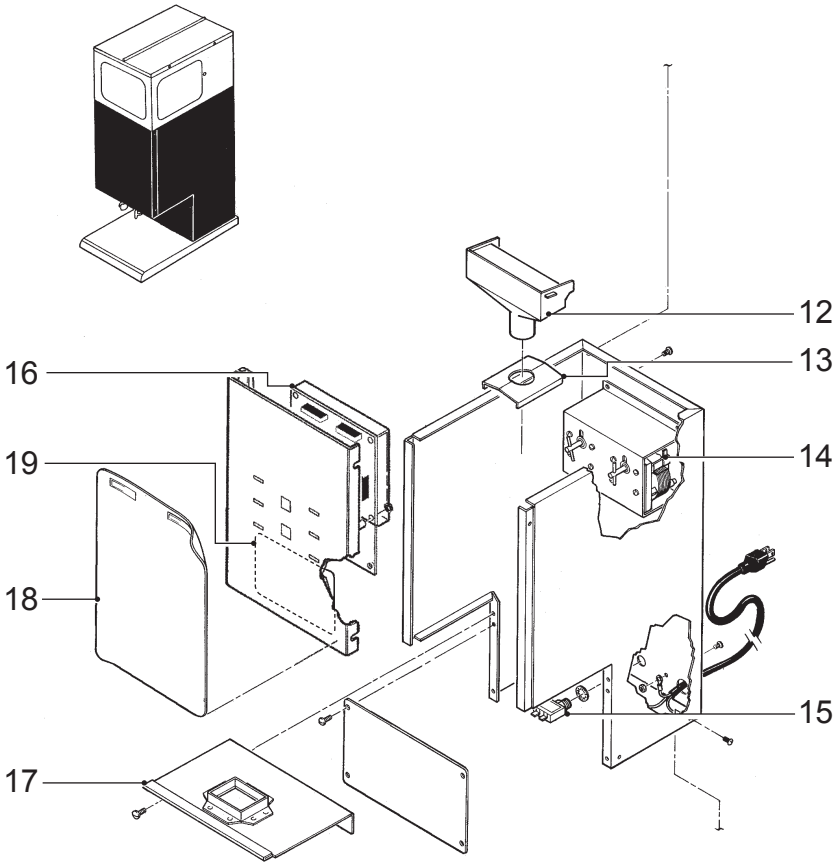
POSSIBLE CAUSE	SOLUTION
6. Grinding burrs may be worn.	Readjust the grind (see page 2).
7. Housing cover may not be on straight or not seating correctly.	Pull off the cover and clean the mounting surfaces. Reassemble the housing.

PARTS DIAGRAM

HOPPER & TOP COVER

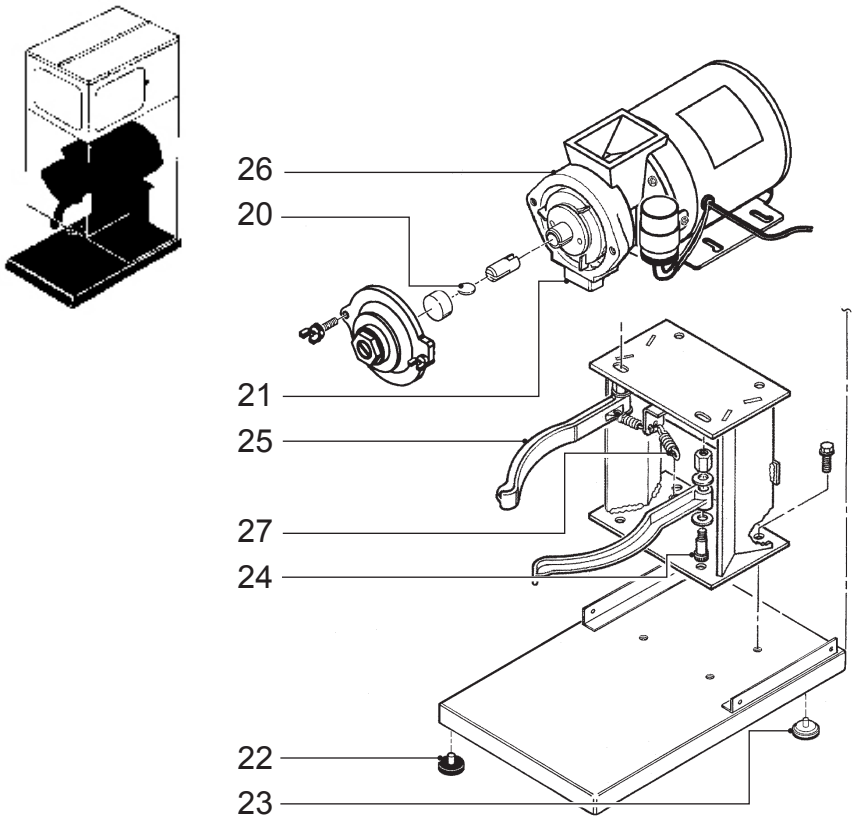


CENTER COVER & GEAR MOTOR



PARTS DIAGRAM

GRIND MOTOR &
BASE



PARTS LIST

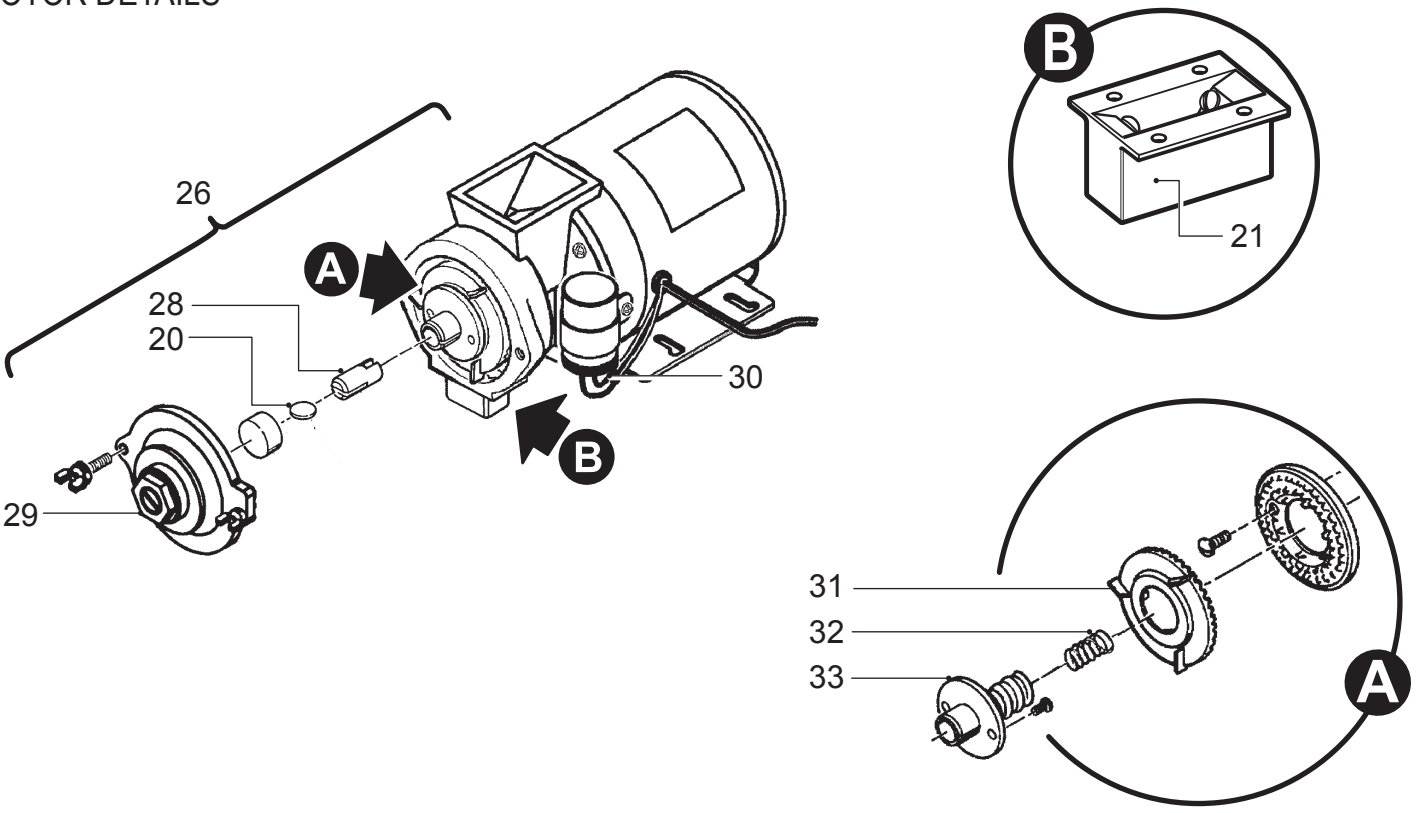
ITEM	*PART N°*	*DESCRIPTION*
1	WC-9118	COVER, HOPPER DUAL GRINDER ASSEMBLY
2	WC-9131	WINDOW, ACRYLIC DUAL GRINDER
3	WC-9143	SPACER, 5/8” AGITATION WHEEL (OPTIONAL)
4	WC-9160	WHEEL, GRINDER AGITATION CCG (OPTIONAL)
5	WC-9144	SPACER, 9/32” AGITATION WHEEL (OPTIONAL)
6	WC-9132	DIVIDER, DUAL HOPPER, SS
6A	WC-9188	DIVIDER, W/HOLE ILG-11/DHG-11 (AS SHOWN, OPTIONAL)
7	WC-9142	SHAFT AGITATION WHEEL (OPTIONAL)
8	WC-9116	HOPPER ASSEMBLY, DUAL GRINDERS
9	WC-9158	AUGER ASSEMBLY DHG/ILG/ILGD
10	WC-9183	BEARING, AUGER BRASS
11	WC-91013	WRAP, DUAL HOPPER ILGD
12	WC-9130	FUNNEL, DHG/ILGD
13	WC-9134	SHIELD, HOUSING, ILGD/ILG/SHG/DHG
14	WC-9151*	MOTOR, GEAR 115V DUAL GRINDER
15	WC-1504	BREAKER, CIRCUIT 10A 120/250VAC
16	WC-689*	CONTROL BOARD, ILGD
17	WC-9126	GUIDE, SPOUT W/A
18	WC-39212	MEMBRANE CONTROL PANEL ILGD
19	WC-3796	LABEL, ADJUSTMENT INFORMATION

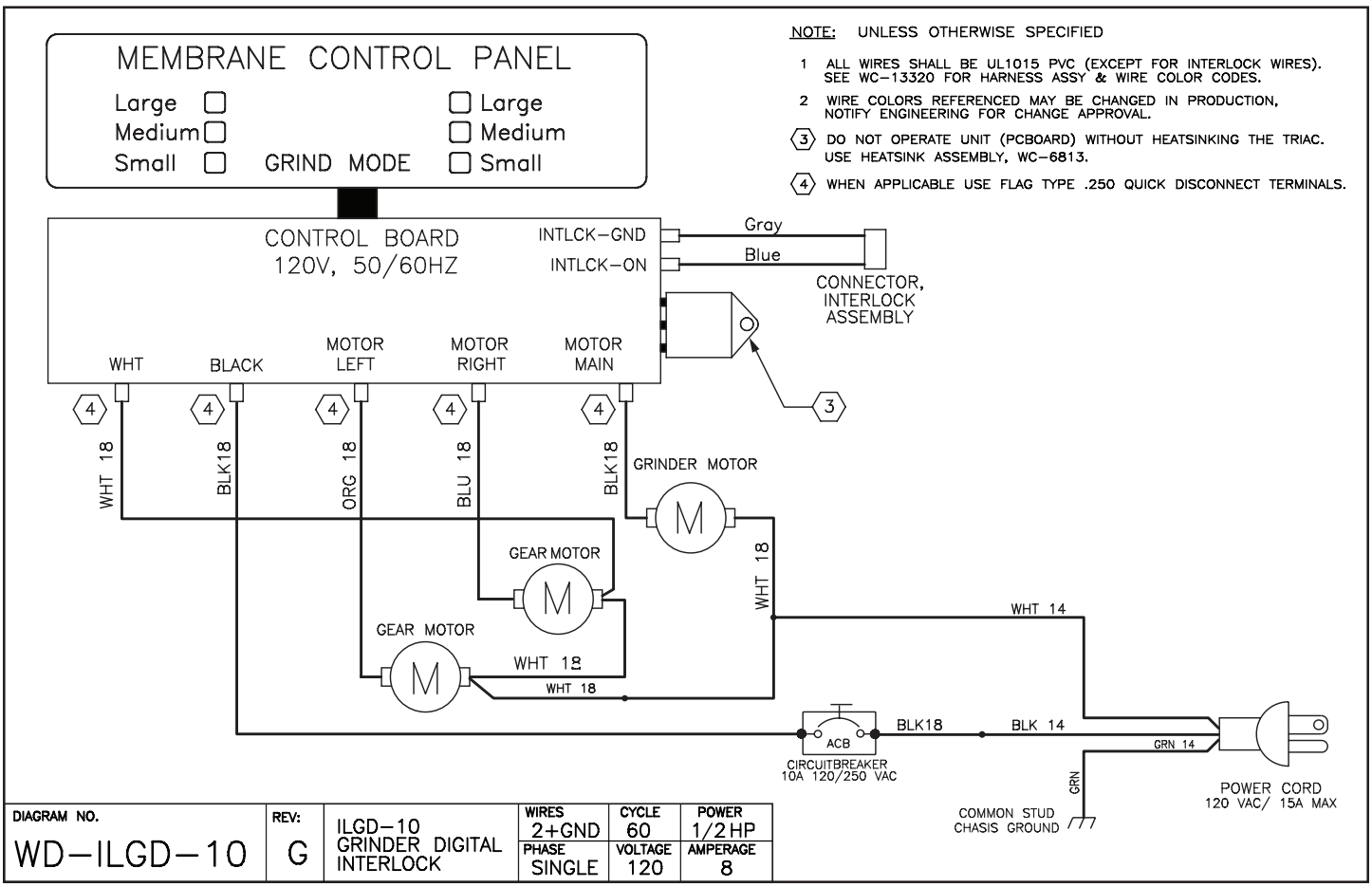
PARTS LIST

ITEM	PART Nº	DESCRIPTION
20	WC-9107-6*	DISK, SHEAR COFFEE GRINDER 6 PCS/PKG
21	WC-37283*	KIT, GRINDER CHUTE DHG/ILGD/SHG
22	WC-3503	LEG, 3/8”-16 STUD SCREW BUMPER
23	WC-3518	LEG, GLIDE 3/8”-16 STUD SCREW
24	WC-4813	SCREW, SHOULDER, 5/16 x 5/8
25	WC-9141	BASKET HOLDER ASSEMBLY
26	WC-9135*	MOTOR, SLICING GRINDER ASSEMBLY 120VAC SHG/DHG/ILGD
27	WC-9155	SPRING, BASKET HOLDER
28	WC-91024	SHEAR DRIVE COFFEE GRINDER
29	WC-91015	SCREW & THRUST PIN ADJUSTING ASSEMBLY
30	WC-91026	CAPACITOR, COFFEE GRINDER ASSEMBLY
31	WC-91050	BURR, COMPLETE SET SLICING
32	WC-91021	SPRING, TENSION COFFEE GRINDER
33	WC-91051	FEEDWORM, SLICING GSG

PARTS DIAGRAM

MOTOR DETAILS





Cleaning the Coffee Grinder

Regular cleaning and preventive maintenance is essential in keeping your coffee grinder looking and working like new.

CAUTION – Unplug the grinder from the electrical power source.
Do not use cleansers, bleach liquids, powders or any other substance containing chlorine. These products promote corrosion and will pit the stainless steel. USE OF THESE PRODUCTS WILL VOID THE WARRANTY.

1. Brush coffee grounds from the dispensing spout. Wipe off the surrounding area, removing coffee grounds that have fallen.
2. Mix dish washing liquid in warm water to make a mild cleaning solution.
3. Care should be taken to avoid spilling liquid into the grind housing.
4. Wipe exterior surfaces with a cloth moistened with cleaning solution. Clean off coffee grounds, drips or spills.
5. Wipe exterior surfaces with a water soaked cloth to rinse off all traces of the cleaning solution.
6. Dry exterior surfaces with a clean soft cloth.
7. Polish exterior surfaces with stainless steel polish.
8. Return power to the grinder.

A tablet style grinder cleaner may be used to clean the inside of the grind housing, the burrs and chute. The product will eliminate taste and odor left in the grinder from grinding flavored coffee. The regular use of grind cleaner reduces the need to disassemble the grinder to clean it.

1. Empty coffee beans from the hopper. Plug power cord into the electrical outlet.
2. Place a container under the grind spout and run the grinder to empty the housing of all coffee.
3. Pour in or two capfuls of grinder cleaner granules or tablets into the hopper (use manufacturer's recommendations).
4. Press a grind button, running the grinder until the cleaner empties from the spout.
5. Refill the grinder with whole bean coffee and run two grind cycles to purge the grind housing of any residual cleaner.

Product Warranty Information

The Wilbur Curtis Company certifies that its products are free from defects in material and workmanship under normal use. The following limited warranties and conditions apply:

3 Years, Parts and Labor, from Original Date of Purchase on digital control boards**.**
2 Years, Parts, from Original Date of Purchase on all other electrical components, fittings and tubing.
1 Year, Labor, from Original Date of Purchase on all electrical components, fittings and tubing.

Additionally, the Wilbur Curtis Company warrants its Grinding Burrs for Forty (40) months from date of purchase or 40,000 pounds of coffee, whichever comes first. Stainless Steel components are warranted for two (2) years from date of purchase against leaking or pitting and replacement parts are warranted for ninety (90) days from date of purchase or for the remainder of the limited warranty period of the equipment in which the component is installed.
All in-warranty service calls must have prior authorization. For Authorization, call the Technical Support Department at 1-800-995-0417. Effective date of this policy is April 1, 2003.
Additional conditions may apply. Go to www.wilburcurtis.com to view the full product warranty information.

CONDITIONS & EXCEPTIONS

The warranty covers original equipment at time of purchase only. The Wilbur Curtis Company, Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from the
Wilbur Curtis Company, Inc. The Wilbur Curtis Company will not accept any responsibility if the following conditions are not met. The warranty does not cover and is void under the following circumstances:

1) **Improper operation of equipment:** *The equipment must be used for its designed and intended purpose and function.*
2) **Improper installation of equipment:** *This equipment must be installed by a professional technician and must comply with all local electrical, mechanical and plumbing codes.*
3) **Improper voltage:** *Equipment must be installed at the voltage stated on the serial plate supplied with this equipment.*
4) **Improper water supply:** *This includes, but is not limited to, excessive or low water pressure, and inadequate or fluctuating water flow rate.*
5) **Adjustments and cleaning:** *The resetting of safety thermostats and circuit breakers, programming and temperature adjustments are the responsibility of the equipment owner. The owner is responsible for proper cleaning and regular maintenance of this equipment.*
6) **Damaged in transit:** *Equipment damaged in transit is the responsibility of the freight company and a claim should be made with the carrier.*
7) **Abuse or neglect (including failure to periodically clean or remove lime accumulations):** *Manufacturer is not responsible for variation in equipment operation due to excessive lime or local water conditions. The equipment must be maintained according to the manufacturer's recommendations.*
8) **Replacement of items subject to normal use and wear:** *This shall include, but is not limited to, light bulbs, shear disks, "0" rings, gaskets, silicone tube, canister assemblies, whipper chambers and plates, mixing bowls, agitation assemblies and whipper propellers.*
9) **Repairs and/or Replacements** *are subject to our decision that the workmanship or parts were faulty and the defects showed up under normal use. All labor shall be performed during regular working hours. Overtime charges are the responsibility of the owner. Charges incurred by delays, waiting time, or operating restrictions that hinder the service technician's ability to perform service is the responsibility of the owner of the equipment. This includes institutional and correctional facilities. The Wilbur Curtis Company will allow up to 100 miles, round trip, per in-warranty service call.*

RETURN MERCHANDISE AUTHORIZATION: *All claims under this warranty must be submitted to the Wilbur Curtis Company Technical Support Department prior to performing any repair work or return of this equipment to the factory. All returned equipment must be repackaged properly in the original carton. No units will be accepted if they are damaged in transit due to improper packaging.* **NO UNITS OR PARTS WILL BE ACCEPTED WITHOUT A RETURN MERCHANDISE AUTHORIZATION (RMA). RMA NUMBER MUST BE MARKED ON THE CARTON OR SHIPPING LABEL.** All in-warranty service calls must be performed by an authorized service agent. Call the Wilbur Curtis Technical Support Department to find an agent near you.

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